

October 21, 2016



1
U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 20336

EXPIRATION DATE: 2017-03-31

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Geotek Coring Inc
West Valley City, UT
2. PURPOSE AND LIMITATION:
 - a. This emergency special permit authorizes the transportation in commerce of methane hydrate (frozen methane gas) in non-DOT specification cylinders. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.3(d) in that non-DOT specification cylinders containing hazardous materials may be overpacked in salvage cylinders as provided herein.
5. BASIS: This emergency special permit is based on the application of Geotek Coring Inc dated September 26, 2016 submitted in accordance with § 107.117 and a determination that it is necessary to prevent significant economic loss.

Tracking Number: 2016096322

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identi- fication Number	Packing Group
Methane, compressed*	2.1	UN1971	N/A

*Only methane hydrate (frozen methane gas) is authorized.

7. SAFETY CONTROL MEASURES:a. PACKAGING -

(1) Packagings prescribed are pressurized storage chambers up to 1.2 meters in length and with a maximum working pressure of 5,079 psig. The pressurized storage chamber must be in accordance with the Geotek LTD pressurized storage chamber design information on file with the Office of Hazardous Materials Approvals and Permits Division (OHMSAPD).

(2) Each pressurized storage chamber must be overpacked in a salvage cylinder in accordance with the Precision Technik LP-10 Pressure Vessel Specifications. The salvage cylinder must have a maximum working pressure of 255 psig and must be in accordance with the design information on file with the OHMSAPD.

(3) The salvage cylinders must be supported in a frame and transported inside of a 20 foot refrigerated ISO container. Up to 10 salvage cylinders may be transported in each ISO container.

b. OPERATIONAL CONTROLS -

(1) Salvage cylinders prescribed herein are authorized as an overpack for transporting pressurized storage chambers, which are not leaking or damaged. All other § 173.3(d) requirements for the salvage cylinders apply.

October 21, 2016

(2) The salvage cylinders must be transported at temperatures between 2-6 degrees Celsius to preserve the stability of the hazardous material.

b. TESTING - At least every 5 years, the pressurized storage chambers must be thoroughly cleaned and undergo full internal and external visual inspection including renewing the main "O" ring sealing the chamber to the main ball valve. The storage chambers must also be hydrostatically retested at 5,079 psi and held for 10 minutes.

8. SPECIAL PROVISIONS:

a. Under the terms of this special permit, the grantee may only offer hazardous materials (i.e., the grantee is not authorized as a carrier).

b. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

c. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this special permit.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

October 21, 2016

- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator

October 21, 2016

for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:

A handwritten signature in blue ink, appearing to read "W. Schoonover", is written over a horizontal line.

for William Schoonover
Acting Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: SMITH